



ENTERED

1600

RAW SEQUENCE LISTING

DATE: 11/06/2002

PATENT APPLICATION: US/09/509,482A

TIME: 14:47:45

Input Set : D:\SEQLIST.txt

Output Set: N:\CRF4\11062002\I509482A.raw

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4 <110> APPLICANT: Crofts, Linda Anne
5      Hancock, Manuela S.
6      Morrison, Nigel A.
7      Eisman, John A.
9 <120> TITLE OF INVENTION: Isoforms of the Human Vitamin D Receptor
12 <130> FILE REFERENCE: RICE-014
14 <140> CURRENT APPLICATION NUMBER: 09/509,482A
15 <141> CURRENT FILING DATE: 2000-09-15
17 <150> PRIOR APPLICATION NUMBER: PCT/AU98/00817
18 <151> PRIOR FILING DATE: 1998-09-29
20 <150> PRIOR APPLICATION NUMBER: P09500
21 <151> PRIOR FILING DATE: 1997-09-29
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47 gtgaaggctg caaaggcttc ttcaggcgaa gcatgaagcg gaaggcacta ttcacctgcc      360
48 ccttcaacgg ggactgccgc atcaccaagg acaaccgacg ccactgccag gcctgccggc      420
49 tcaaacgctg tgtggacatc ggcatgatga aggagttcac tctgacagat gaggaagtgc      480
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51 ggcccaagct gcttgaggag cagcagcgca tcattgccat actgctggac gcccaccata      600
52 agacctacga cccacacctac tccgacttct gccagttccg gcctccagtt cgtgtgaatg      660
53 atgggtggagg gagccatcct tccaggccca actccagaca cactcccagc ttctctgggg      720
54 actcctcctc ctcctgctca gatcactgta tcacctcttc agacatgatg gactcgtcca      780
55 gcttctccaa tctggatctg agtgaagaag attcagatga cccttctgtg accctagagc      840
56 tgtcccagct ctccatgctg cccacacctg ctgacctggg cagttacagc atccaaaagg      900
57 tcattggctt tgctaagatg ataccaggat tcagagacct cacctctgag gaccagatcg      960
58 tactgctgaa gtcaagtgcc attgaggtca tcatgttgcg ctccaatgag tccttcacca      1020

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61 agaagctgaa cttgcatgag gaggagcatg tcctgtctat ggccatctgc atcgtctccc 1200
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63 acacactgca gacgtacatc cgctgccgcg acccgcccc gggcagccac ctgctctatg 1320
64 ccaagatgat ccagaagcta gccgacctgc gcagcctcaa tgaggagcac tccaagcagt 1380
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76 cttccctgcc tgaccctgga gactttgacc ggaacgtgcc ccgcatctgt ggggtgtgtg 180
77 gagaccgagc cactggcttt cacttcaatg ctatgacctg tgaaggctgc aaaggcttct 240
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101 <212> TYPE: DNA

102 <213> ORGANISM: Homo sapiens

104 <400> SEQUENCE: 4

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106 ggctgtcgat ggtgtcaga actgctggag tggaggggat ggaggcaatg gcggccagca 120
107 cttccctgcc tgaccctgga gactttgacc ggaacgtgcc ccgcatctgt ggggtgtgtg 180
108 gagaccgagc cactggcttt cacttcaatg ctatgacctg tgaaggctgc aaaggcttct 240
109 tcagggtgagc cccctccca ggctctcccc agtggaaagg gagggagaag aagcaagggtg 300
110 tttccatgaa gggagccctt gcatttttca catctccttc cttacaatgt ccatggaaca 360
111 tgcggcgctc acagccacag gagcaggagg gtcttggcga agcatgaagc ggaaggcact 420

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113 ggcctgccgg ctcaaacgct gtgtggacat cggcatgatg aaggagttca ttctgacaga 540
114 tgaggaagtg cagaggaagc gggagatgat cctgaagcgg aaggaggagg aggccttgaa 600
115 ggacagtctg cggcccaagc tgtctgagga gcagcagcgc atcattgcca tactgctgga 660
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117 tcgtgtgaat gatggtggag ggagccatcc ttccaggccc aactccagac acactcccag 780
118 cttctctggg gactcctcct cctcctgctc agatcactgt atcacctctt cagacatgat 840
119 ggactcgtcc agcttctcca atctggatct gagtgaagaa gattcagatg acccttctgt 900
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123 gtccttcacc atggacgaca tgtcctggac ctgtggcaac caagactaca agtaccgcgt 1140
124 cagtgcgtg accaaagccg gacacagcct ggagctgatt gagcccctca tcaagttcca 1200
125 ggtgggactg aagaagctga acttgcatga ggaggagcat gtctgtctca tggccatctg 1260
126 catcgtctcc ccagatcgtc ctgggggtgca ggacgcccgc ctgattgagg ccatccagga 1320
127 ccgcctgtcc aacacactgc agacgtacat ccgctgccgc cccccgcccc cgggcagcca 1380
128 cctgctctat gccaaagtga tccagaagct agccgacctg cgcagcctca atgaggagca 1440
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169 gggagatgat cctgaagcgg aaggaggagg aggccttgaa ggacagtctg cggcccaagc 660
170 tgtctgagga gcagcagcgc atcattgcca tactgctgga cggccaccat aagacctacg 720
171 accccaccta ctccgacttc tgccagttcc ggccctccagt tcgtgtgaat gatggtggag 780
172 ggagccatcc ttccaggccc aactccagac acactcccag cttctctggg gactcctcct 840
173 cctcctgctc agatcactgt atcacctctt cagacatgat ggactcgtcc agcttctcca 900
174 atctggatct gagtgaagaa gattcagatg acccttctgt gacctagag ctgtcccagc 960
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183 tccagaagct agccgacctg cgcagcctca atgaggagca ctccaagcag taccgctgcc 1500
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195 gg 122

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198 <211> LENGTH: 477

199 <212> TYPE: PRT

200 <213> ORGANISM: Homo sapiens

202 <400> SEQUENCE: 9

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206 20 25 30
207 Pro His Arg Arg Ala Pro Leu Gly Ser Thr Tyr Leu Pro Pro Ala Pro
208 35 40 45
209 Ser Gly Met Glu Ala Met Ala Ala Ser Thr Ser Leu Pro Asp Pro Gly
210 50 55 60
211 Asp Phe Asp Arg Asn Val Pro Arg Ile Cys Gly Val Cys Gly Asp Arg
212 65 70 75 80
213 Ala Thr Gly Phe His Phe Asn Ala Met Thr Cys Glu Gly Cys Lys Gly
214 85 90 95
215 Phe Phe Arg Arg Ser Met Lys Arg Lys Ala Leu Phe Thr Cys Pro Phe
216 100 105 110
217 Asn Gly Asp Cys Arg Ile Thr Lys Asp Asn Arg Arg His Cys Gln Ala
218 115 120 125
219 Cys Arg Leu Lys Arg Cys Val Asp Ile Gly Met Met Lys Glu Phe Ile

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223 Lys Glu Glu Glu Ala Leu Lys Asp Ser Leu Arg Pro Lys Leu Ser Glu
224      165      170      175
225 Glu Gln Gln Arg Ile Ile Ala Ile Leu Leu Asp Ala His His Lys Thr
226      180      185      190
227 Tyr Asp Pro Thr Tyr Ser Asp Phe Cys Gln Phe Arg Pro Pro Val Arg
228      195      200      205
229 Val Asn Asp Gly Gly Gly Ser His Pro Ser Arg Pro Asn Ser Arg His
230      210      215      220
231 Thr Pro Ser Phe Ser Gly Asp Ser Ser Ser Ser Cys Ser Asp His Cys
232 225      230      235      240
233 Ile Thr Ser Ser Asp Met Met Asp Ser Ser Ser Phe Ser Asn Leu Asp
234      245      250      255
235 Leu Ser Glu Glu Asp Ser Asp Asp Pro Ser Val Thr Leu Glu Leu Ser
236      260      265      270
237 Gln Leu Ser Met Leu Pro His Leu Ala Asp Leu Val Ser Tyr Ser Ile
238      275      280      285
239 Gln Lys Val Ile Gly Phe Ala Lys Met Ile Pro Gly Phe Arg Asp Leu
240      290      295      300
241 Thr Ser Glu Asp Gln Ile Val Leu Leu Lys Ser Ser Ala Ile Glu Val
242 305      310      315      320
243 Ile Met Leu Arg Ser Asn Glu Ser Phe Thr Met Asp Asp Met Ser Trp
244      325      330      335
245 Thr Cys Gly Asn Gln Asp Tyr Lys Tyr Arg Val Ser Asp Val Thr Lys
246      340      345      350
247 Ala Gly His Ser Leu Glu Leu Ile Glu Pro Leu Ile Lys Phe Gln Val
248      355      360      365
249 Gly Leu Lys Lys Leu Asn Leu His Glu Glu Glu His Val Leu Leu Met
250      370      375      380
251 Ala Ile Cys Ile Val Ser Pro Asp Arg Pro Gly Val Gln Asp Ala Ala
252 385      390      395      400
253 Leu Ile Glu Ala Ile Gln Asp Arg Leu Ser Asn Thr Leu Gln Thr Tyr
254      405      410      415
255 Ile Arg Cys Arg His Pro Pro Pro Gly Ser His Leu Leu Tyr Ala Lys
256      420      425      430
257 Met Ile Gln Lys Leu Ala Asp Leu Arg Ser Leu Asn Glu Glu His Ser
258      435      440      445
259 Lys Gln Tyr Arg Cys Leu Ser Phe Gln Pro Glu Cys Ser Met Lys Leu
260      450      455      460
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262 465      470      475
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267 <213> ORGANISM: Homo sapiens
269 <400> SEQUENCE: 10
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VERIFICATION SUMMARY

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